Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/18/2020 10:40 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124992	-1	2.69	125096	2.72
Blue	F	SSC	125000	124350	-1	2.09	125032	2.03
Blue	E	FITC	15892	15500	-3	2.85	339	21.27
Blue	D	PE	29999	29268	-3	1.91	638	15.62
Blue	B	PerCP-Cy5-5	43732	43245	-2	3.81	1157	21.08
Blue	A	PE-Cy7	30845	30582	-1	6.18	579	43.56
Red	C	APC	46112	44963	-3	2.47	1585	12.17
Red	A	APC-Cy7	30458	29785	-3	2.39	784	11.96
Violet	B	V450	7918	7513	-6	4.49	430	12.71
Violet	A	V500	32171	30782	-5	4.25	721	10.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17094	15.97	635	14	N/A	N/A	Pass
Blue	F	SSC	57545	1.10	575	16	N/A	N/A	Pass
Blue	E	FITC	61	65.51	550	7	0.0169	88	Pass
Blue	D	PE	133	51.01	556	8	0.1319	213	Pass
Blue	B	PerCP-Cy5-5	211	51.09	663	7	0.0084	35	Pass
Blue	A	PE-Cy7	105	110.19	706	8	0.0097	19	Pass
Red	C	APC	381	25.02	585	1	0.0241	125	Pass
Red	A	APC-Cy7	171	28.83	557	1	0.0056	936	Pass
Violet	B	V450	65	60.23	460	2	0.0662	2911	Pass
Violet	A	V500	107	33.89	476	2	0.0223	724	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.37	-31.95	1.02
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.43
Red	15.99	13.60 - 20.40	N/A	N/A	29.57	29.85	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9614

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments